

CLAIMS

1. A computer-implemented method for storing a network management object identifier, said method comprising:

storing a first group of elements of said identifier in compressed form; and

storing said remaining elements of said identifier in uncompressed form.
2. The method of claim 1 wherein storing in compressed form comprises storing a single integer value representing said first group of elements.
3. The method of claim 1 wherein said network management object identifier comprises an SNMP MIB object identifier.
4. The method of claim 3 wherein said first group of elements have publicly designated values indicating use of an objected referenced by said identifier for management.
5. A computer-implemented method for extracting information from a network management object identifier, the method comprising:

extracting a first value from said identifier;

decompressing said first value to form a first group of elements of said identifier;

and

extracting remaining elements from said identifier.
6. The method of claim 5 wherein decompressing comprises:

forming elements of said first group of elements from decimal digits of said value.

7. The method of claim 5 wherein said network management identifier comprises an SNMP MIB object identifier.

8. A computer program product for storing a network management object identifier, said product comprising:

code that stores a first group of elements of said identifier in compressed form;

code that stores said first group of elements and remaining elements of said identifier; and

a computer-readable storage medium for storing the codes

9. The product of claim 8 wherein said code that stores in compressed form comprises code that compresses values of said first group of elements into a single integer value.

10. The product of claim 8 wherein said network management object identifier comprises an SNMP MIB object identifier.

11. The product of claim 10 wherein said first group of elements have publicly designated values indicating use of an objected referenced by said identifier for management.

12. A computer program product for extracting information from a network management object identifier, said product comprising:

code that extracts a first value from said identifier;

code that decompresses said first value to form a first group of elements of said identifier;

code that extracts remaining elements from said identifier; and

a computer-readable storage medium for storing the codes.

13. The product of claim 12 wherein said code that decompresses comprises code that forms elements of said first group of elements from decimal digits of said value.

14. The product of claim 12 wherein said network management object identifier comprises an SNMP MIB object identifier.

15. A computer system comprising:

a processor that executes a program for storing a network management object identifier, said program comprising:

code that compresses a first group of elements of said identifier; and

code that stores said first group of elements and remaining elements of said identifier; and

a computer-readable storage medium having said program stored thereon.

16. A computer system comprising:

a processor that executes a program for extracting information from a network management object identifier, said program comprising:

code that compresses a first group of elements of said identifier; and

code that stores said first group of elements and remaining elements of said identifier;

a computer-readable storage medium having said program stored thereon.